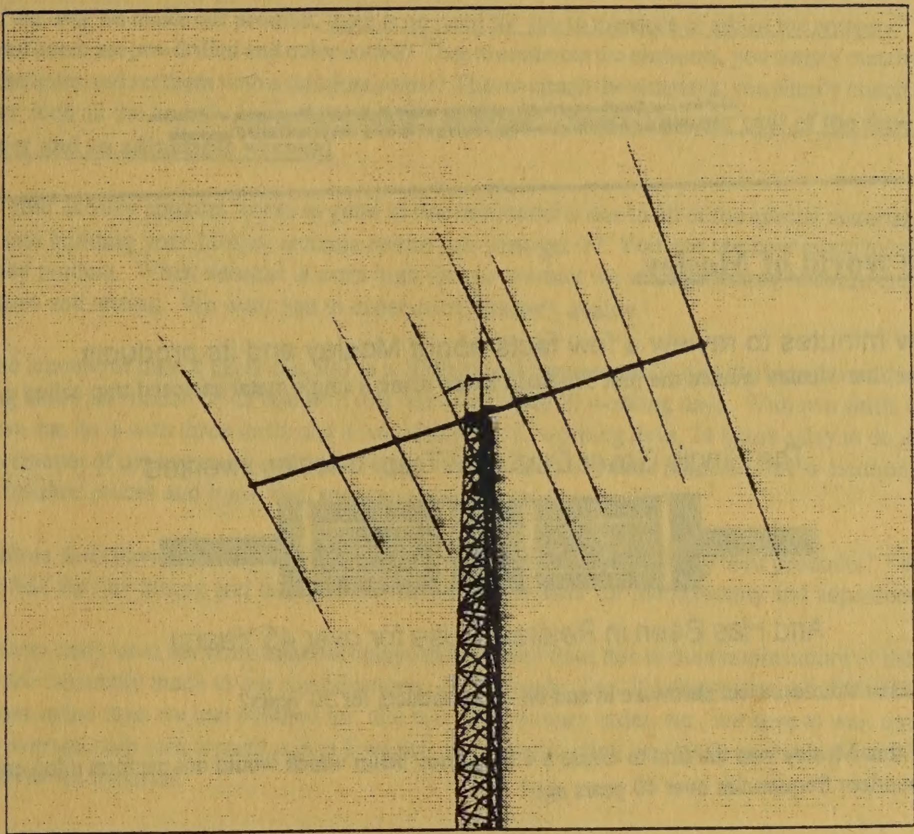
Pro-Series
Amateur Antenna
Catalog



Pro-96 at 180 feet in a harsh Mid-Center Environment since 1992

Mosley Electronics, Inc.

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USA

Orders: 1-800-325-4016 or 1-800-966-7539 **Technical: 1-314-994-7872 Fax: 1-314-994-7873**

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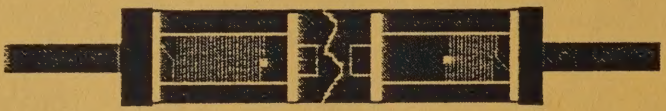
All orders are subject to a handling, shipping, re stocking charge and taxes if applicable.

Welcome to the world of Mosley.

Please take a few minutes to review a few facts about Mosley and its products.

< > Are you aware that Mosley created the first Tri-Band Beam using a single metal enclosed trap called a "Trap Master"*?

The Single Cover Dual Coil Trap "Mosley Invented"



And Has Been in Realiable Use for over 45 Years!

< > That we have used stainless steel hardware in and on our products for 50 years?

< > Did you know that Mosley was the first to create a 4 frequency beam which would out perform a log cell antenna in gain on the 4 independent frequencies over 40 years ago?

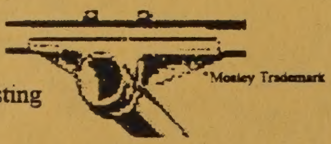
< > That in 1979 Mosley created the first beam in the world that was designed to operate on 6 independent frequencies on a single boom using a single feed line that emulated 3 element mono band antennas on those same frequencies? Research our competitors and look up in old Amateur publications to see who came out with what products first. Mosley has always been in the forefront of design and innovative products for the amateur.

< > Mosley has caused the antenna industry to become more responsive to the Amateur Market place? Especially over the last sixteen years? Prior to the introduction of our PRO Series, the only multi banded antennas were tri banders and logs.

< > That our element to boom mounting clamps are made out of the highest quality of aluminum with our own aluminum sand casting dyes? That all of our aluminum castings are made by us with our tooling?

< > That our traps, coil forms and other plastic parts were designed by us and are made with our own Injection Dyes and 200+ ton mold injectors?

#47 Aluminum Element Casting



< > That our tubing is specially made for Mosley with the values that we specify? That the tubing we use is seamless drawn polished aircraft grade, which has a telescoping tolerance of .003 to .005 +/_? If you have ever bought aluminum tubing, you would know that there is a tremendous difference in the quality between drawn seamless and extruded. Extruded tubing is cheaper and the closest tolerance this can be made to is .020 to .025 +/-. Twenty thousandths is a lot of distance between sizes. When our competitors use this grade of tubing, must be slit and compressed over and around the inserted piece. Therefore you could have a situation of one size of tubing having a .020+ tolerance and the smaller inserted piece of tubing having a .020- tolerance.

< > That not only does our tubing glove sleeve, it is color coded and pre drilled on our automated drill line? That our automated line allows us to drill all the holes on a single piece of tubing at the same time within a 32nd of an inch accuracy?

< > That this process gives you a quality product which is easy to assemble and will give you years of reliable use? That the average in use period of time for a Mosley is 25 years? That the antenna can be reconditioned with parts from our parts department which contains parts going back 50 years at a nominal cost? That once the antenna is reconditioned, it will go another 25 years?

< > That because of the way we make our product, there is no need for you to measure or adjust the antenna? That the various pieces of the antenna and boom are pre-drilled and color coded? That to assemble the elements, you simply match the same colored pieces together, align the holes and set them with a stainless screw? That to attach the elements, you simply match the color on the element to the same color code on the boom? **Assembly couldn't be easier! Ninety-Nine per cent of the time the only tools needed is a screw driver and an adjustable wrench!**

< > That the reason your Mosley antenna works as good as our test model is due to all of the special material, drilling, handling and work that goes into building your Mosley antenna before you even get it? You can see how much hands on labor we use in building a Mosley product. When demand is extra high for our product we will run behind because there is no way to rush the lengthy procedures and testing. We want you to experience Mosley's quality!

< > Do you know the amount of time it takes run 500 to a 1000 of a antenna model? Just the time to run the tubing on our air lines takes 80 working hours per model. With one shift this run would take 10 working days. With two shifts it would take 5 working days. The best we can do is with three shifts and it would take 2-1/2 working days, 24 hours a day to do just one type of product. You can see the amount of organization and time it takes to run just 25 separate models. Not to mention the time needed to test and inspect the finished pieces and traps, box and ship the product.

< > That our competitors don't have the same amount of labor cost Mosley has in building their products? For the most part that our competitors just box the raw tubing and the customer furnishes the labor for the assembly and adjustment of the antenna?

< > That our competitors don't have the same material delays that Mosley does due to the custom nature of the materials we use? All of our materials are especially made to our specifications. An example: Our 2" boom splice is 1.876 OD, with a wall of .120, if we use more boom splice than we had planned for, due to a rush military order, etc., we have to wait until the mill can run this size for us. The average rush turn around is 6 to 8 weeks. In 1994 the alloy we use in our tubing was so rare it took 35 weeks for us just to receive the material!

< > When we have delays we hope you feel our Mosley antenna is worth waiting for, especially when you consider it has the capability of being used forever!

< > You can be assured that our goal is **to build you the best product** that is capable of being made at a very competitive price!

< > That Mosley is the only manufacturer using the EIA engineering standard of 80 M.p.h. for establishing our wind loads? Most everyone else is using 50 or 60 M.p.h. trying to give the appearance of the same quality product as a Mosley? From the beginning of Mosley, our antennas and parts have been designed to be stronger and last longer, with a higher wind capability than our competitors.

< > That Mosley uses small unnoticed amenities our products, such as, where stainless steel mates with stainless steel, Mosley uses a Phosphorus Bronze washer to act as a barrier so the stainless parts won't seize? These types of little features are laced throughout a Mosley antenna.

< > That Mosley was the first in the industry to offer a two year warranty?

< > That Mosley antennas have survived ice storms, snow storms, sand storms, and hurricanes around the world? We could cheapen our products with lesser materials, which would allow us to lower prices and better compete with our competitors copies, but then our products wouldn't be a Mosley.

Revelations

The Mosley *"Trap Master"* trap, the TA-33 , the TA-33-JR , the *CLASSIC** 33 and other fine Mosley products have become the most copied antenna products in the world! Our TRAPPED TA-33 and TA-33-Jr antenna's have worked more "DX" stations than any other antenna made.

Regardless of how our competitors try to sell you on their copies, they still aren't a Mosley ! **Some of our competitor's have antennas that they say are for use on the WARC bands, but their antenna doesn't even have a resonating element for those frequencies? We still don't understand that one!**

The biggest favor you can do for yourself, when it comes to buying an antenna, is to just remember the name **"Mosley "**... **"A Better Antenna!"**

Even today, competitors are copying our designs, traps, trademarks and infringing our patents so they can try and get as close to a Mosley made product as they possibly can.

Some are even saying their changed traps are a new LC trap design , giving you the impression that these are new to the industry! These designs might be new to them, but they're not to Mosley. Mosley invented it! Mosley has thousands of antenna owners that have been using and taking advantage of our trap design for over 50 years.

Hopefully, the amateur of today recognizes the facts of our industry and isn't taken in by the **"Pretty Pictures"**, ironically the **"Higher Prices"** and the **"Misleading Phrases"** that some of our competitors are using. **Just because something is said or shown over and over, t doesn't change the facts or make it true!**

on't be taken in by all of the advertising hipe . Check it out! Ask someone on the air who has been using a Mosley product for the last 0 years. They'll be glad to give you the facts. Mosley has been making these products and have had them in use longer than our competitors ave been building HF antennas!

f you're new to amateur radio and you want to become an antenna expert to protect yourself, just remember to buy a Mosley and you'll utomatically become an expert. Get the original ! A Mosley *Trap Master* .... **"Still A Better Antenna!"**

Ve can't cover all the reasons **we feel that when you purchase a MOSLEY, you are getting the best value in an antenna product** that ou can buy ! Dollar for dollar, Mosley provides you with the best products you can buy anywhere in the world.

heck out the weight differences, the band widths , the SWR curves , and the frequencies covered for a similar antenna and we think you ill agree with us that Mosley delivers the best all around products in the industry !

his catalog contains the antennas, which we have received the most request for from the Amateur community. Mosley has over 4,500 fferent types of antennas on file in our engineering department. If there is a special or custom antenna that you have need of, call our gineering department and we will try and help fill your request. Thank you for your interest in MOSLEY!

"Feed For Thought"

Feed Systems for HF Antennas - The Simpler , the Better!

spite popular belief, linear radiators, normally employed in 2 and 3 element parasitic arrays, have a driving point impedance of close 52 ohms when open at the center . To feed such a radiator it is only necessary to connect a 52 ohm line at this point to achieve the st possible match of line to antenna .

wever, because of certain design characteristics, some beam antennas require elaborate and, sometime, unstable matching vices such as *Gamma or T-Match* systems or variations of these systems. Such devices are usually difficult to adjust and to intain in adjustment when used in multi-band beams.

SLEY ***"TRAP MASTER"*** beams, however, are so designed as to not require any unwieldy matching arrangements . Our beams are by connecting the line directly to the **open center** of the radiator. Thus, an excellent match is achieved over the entire width of n Ham band resulting in extremely low SWR near resonant frequencies of each band and the ability to *range* from one end of the d to the other without excessive SWR. Un-Balanced coax is perfectly matched to an un-balanced drive point! This is what we do!

eliminating such matching devices, MOSLEY ***"TRAP MASTER"*** beams provide their users with stable and dependable operation out the necessity of frequent trips to the roof or up the tower to make readjustments.

coax we recommend for HF antennas* is a good grade of **RG-8U** or **RG-213** , these coaxes will give you a good, stable, consistent ch to your antenna. *We do not recommend 9913 coax being used in HF applications.

The Mosley "SUPER" Beams the "PROS!"

There are those out there that have been trying to copy and design a version of the PRO for the last 14 years, but as with the copied TA-33, the TA-33 is still the best performing, durable, 14 foot tri-band beam made. The PRO series are the best performing, reliable and cost affective multi frequency antenna in the market place.

Regardless of what other products our competitors sell to compete with the PROs, the **PRO series** offers the best **all around** beams in the industry! (The PRO's offer the radio community the most complete, cost affective and varied product line anywhere in the world.)

The newest antenna to the PRO family is our ***"New" PRO-67-C!*** This antenna has become are most popular PRO and there are good reasons why it has. The 67-C has 3 elements on 40 meters and a rotatable dipole on 30 meters! The 30 meter portion of the **PRO-67-C** has out performed all of the dipoles, verticals, loops and vee's we have tested it against. Add in the other 5 bands and you can see we have one of the most powerful, versatile beam antenna made anywhere in the world! Nothing else exists to compete with the 67-C. In performance or price.

These PRO's have been "Hurricane" tested in both "Hugo and "Andrew". The PROs have been through one of the worst ice storm in Minnesota in years. Regardless of the environment the PROs are rugged, stable, and reliable year after year.

When you lead the pack in creative design, we realize we are going to get the most criticism and heat. That is why we keep reviewing all of our products to see what we can do to improve their performance. We want to be our worst critic! It is easy to take someone else's idea and pick it apart. The latest generation of PRO's are better performers than the original PRO-37 of 1980, the PRO-57 of 1984, the PRO-57-A of 1988.

The PRO-57-B of July of 1991 is the best built, most trouble free "5" band, "7" element, 24 foot boom antenna in the world. Period!

We have included a few of the names and calls of hams who own the PROs with the catalog. We encourage you to contact them to hear what they think of their antenna. If you need more information on the PROs or would like more references, please contact our engineering department.

All of the PROs are predrilled and Color Coded so they are extremely easy to assemble. There is no need to measure, slide elements or deal with hose clamps.

We weight test our element sections. A Mosley will take 1.4 times more pulling strength than any other design. We use seamless aircraft grade tubing with a telescoping tolerance of +/- .003 to .005 thousands. Once our stainless screw is inserted into these element sections they aren't going to fall apart. Our element to boom clamps are made by us, from our own sand castings. These parts, in their own right, are a beautiful piece of workmanship! Our 24' booms are strong enough to survive extreme ice, winds and other weather conditions without a strut

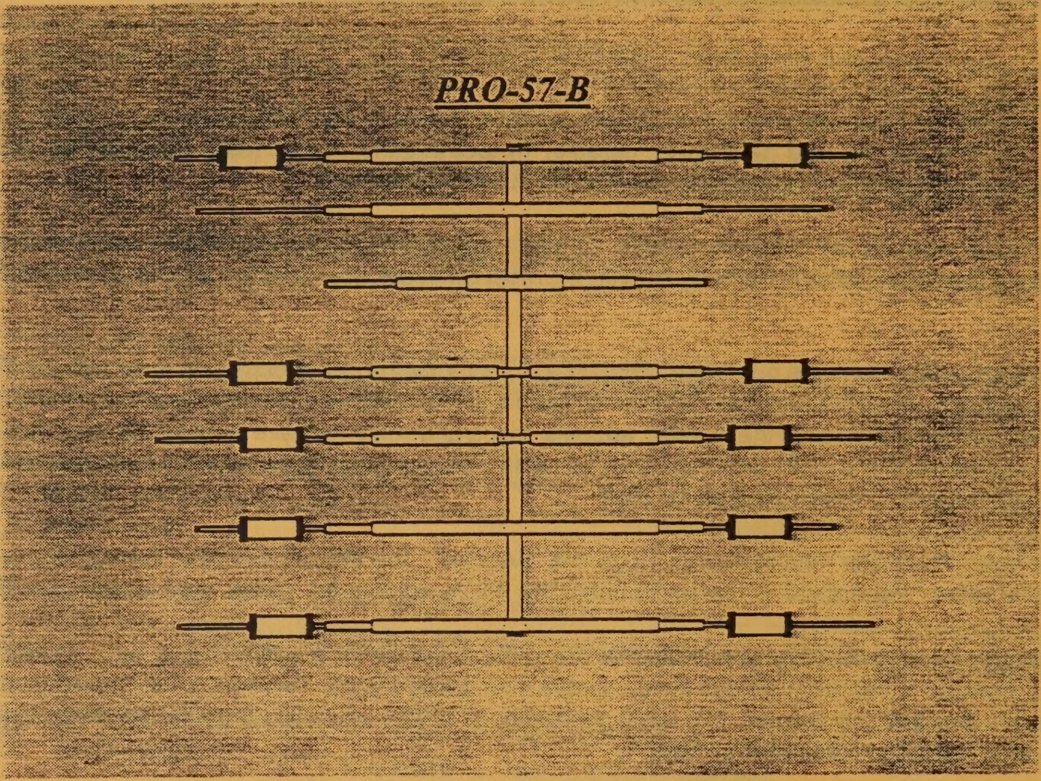
The "**in use**", life of a Mosley, is between 27 and 30 years! That's longer than most of our competitors have been in the antenna business or making HF type antennas!

If your looking for an antenna with **"Excellent"** performance, which is trouble free and a great investment, **then all you have to do is remember the name "Mosley"!**

The name "Mosley" is the most important thing you need to know about antennas!

PRO-57-B

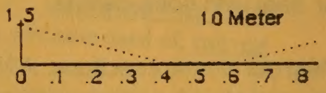
7 Element covers 10, 12, 15, 17, and 20 Meters

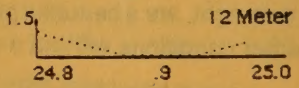


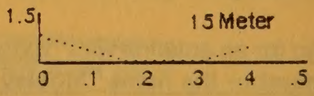
Specifications and Data

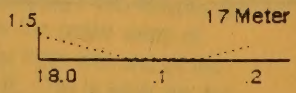
Forward Gain:	10 Meter	(4 Elements)	9.4 dbd.
	12 Meter	(3 Elements)	8.3 dbd.
	15 Meter	(3 Elements)	8.5 dbd.
	17 Meter	(3 Elements)	8.5 dbd.
	20 Meter	(3 Elements)	8.5 dbd.
Front-to-Back:	10 Meter		20 db.
	12 Meter		15 db.
	15 Meter		20 db.
	17 Meter		23 db.
	20 Meter		20 db.
Power Rating:	CW		2.5 KW
	SSB		5.0 KW
	RTTY		600 W
SWR at resonant frequency:			1.0/1 to 1.6
Boom Length:		(Standard 2" x .104 + .125 x 24 ft.) (Optional 3" x .109 + .125 x 24 ft.)	
Turning Radius:			18 ft. 4 in.
Recommended Mast Size:			2 in.
Maximum Element Length:			27 ft. 6 in.
Assembled Weight:	2" Boom		92 lbs.
	3" Boom		106 lbs.
Wind Surface Area (in sq. ft.):			11.0 ft.²
Wind Load (EIA standard 80 M.P.H.):			280 lbs.
Shipping Weight (approx.):			110 lbs.
Warranty:			2 Years

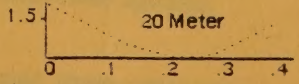
SWR Curves are for Code Setting II











PRO-57-B-40

10-12-15-17-20-40 Meter

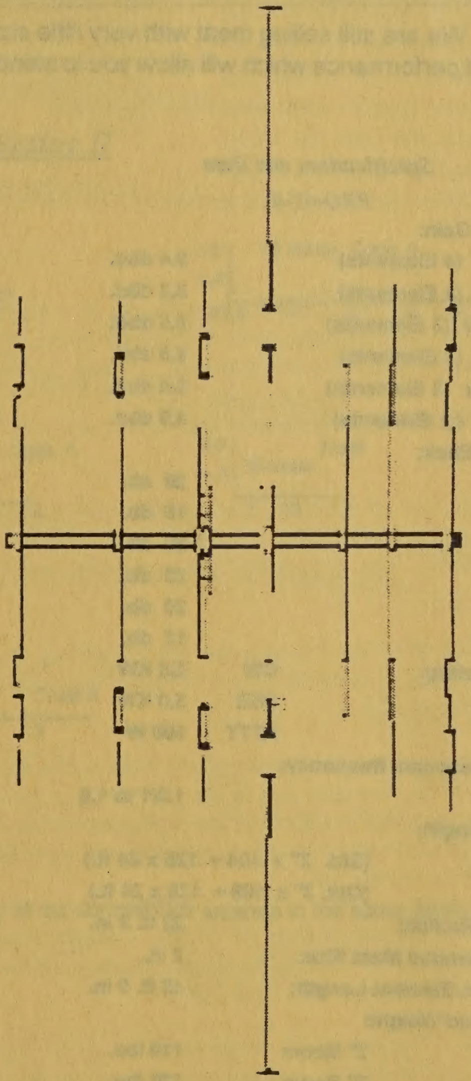
7 Element Beam

Same as a PRO-57-B plus a rotatable dipole on 40 Meters. The 40 Meter element will out perform a fixed dipole, vertical or loop antenna.

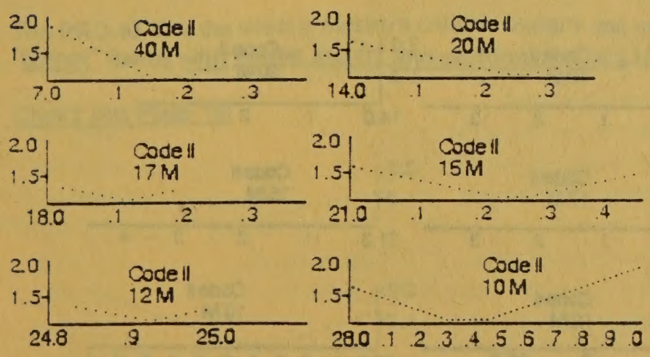
Specifications and Data

Forward Gain:	10 Meter (4 Elements)	9.4 dbd.
	12 Meter (3 Elements)	8.3 dbd.
	15 Meter (3 Elements)	8.5 dbd.
	17 Meter (3 Elements)	8.5 dbd.
	20 Meter (3 Elements)	8.5 dbd.
	40 Meter (Dipole)	0.0 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	15 db.
	15 Meter	20 db.
	17 Meter	23 db.
	20 Meter	20 db.
	40 Meter	0 db.
Power Rating:	CW	2.5 KW
	SSB	5.0 KW
	RTTY	600 W
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:	(Standard 2" x .104 + .125 x 24 ft.)	
	(Optional 3" x .109 + .125 x 24 ft.)	
Turning Radius:		22 ft.
Recommended Mast Size:		2 in.
Maximum Element Length:		44 ft.
Assembled Weight:	2" Boom	98 lbs.
	3" Boom	110 lbs.
Wind Surface Area (in sq. ft.):		11.3 ft.²
Wind Load (EIA standard 80 M.P.H.):		280 lbs.
Shipping Weight (approx.):		117 lbs.
Warranty:		2 Years

"Great on 40, and can be upgraded to a PRO-67-B later on!"



SWR Curves are for Code Setting II



PRO-67-B

10-12-15-17-20 and
2 Elements on "40" Meter
7 Total Elements

PRO-67-B "The DX Finder"

The "PRO-67-B" is a Great All Around 24 foot boom antenna built anywhere! Only 7 elements giving you "6" BANDS! The performance on these frequencies is above average and gives you a well made beam, which will give you years and years of enjoyable operating. If you compare "Apples to Apples" the PRO-67-B is the best performer in its class!

The PRO-67-B uses only 1 feed line with a single connection point. The antenna uses an efficient direct feed. No balun or other matching device is used. The "B" model is far superior to any of the earlier PRO-67's. As with any new concept, the more exploration that takes place, new and better ways are found. This is true of the PRO-67 series. The PRO-67-B has the latest design and incorporates the latest engineering improvements that have evolved over the last 14 years with this design.

Due to the realization that there is always a better way of doing something, Mosley offers up grade kits to your existing antenna which allows you to improve your system without totally replacing your antenna. We want you to have the ability to add our latest technology to your present system.

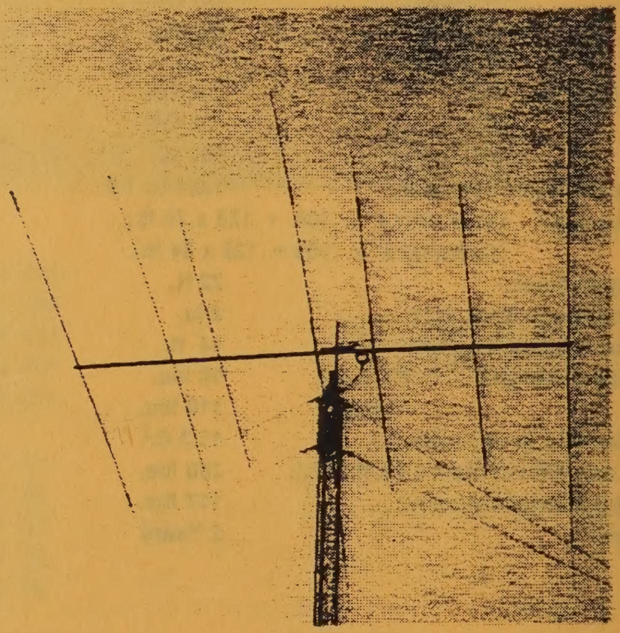
Years later, others are using 11 elements, exaggerated claims, misleading statements to get you to believe their antennas are better than a Mosley. They have arrive at "5" band operation with untruths and sizzle, with higher prices!

We are still selling meat with very little sizzle. Our PRO's and the PRO-67-B, with seven elements, will give you big "6" band performance which will allow you to stand out on 10, 12, 15, 17, 20 and 40 with one strong, compact system at a low price!

Specifications and Data

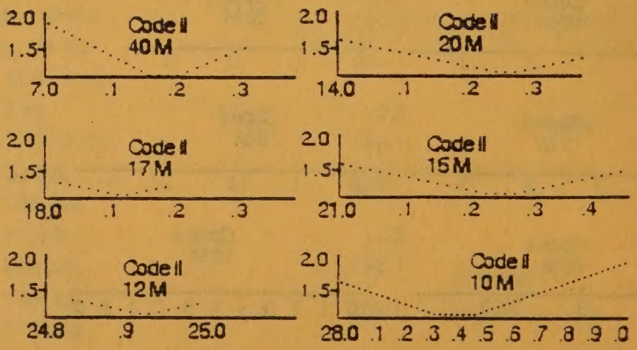
PRO-67-B

Forward Gain:		
10 Meter (4 Elements)		**9.4 dbd.**
12 Meter (3 Elements)		**8.3 dbd.**
15 Meter (3 Elements)		**8.5 dbd.**
17 Meter (3 Elements)		**8.5 dbd.**
20 Meter (3 Elements)		**8.5 dbd.**
40 Meter (2 Elements)		**4.9 dbd.**
Front-to-Back:		
10 Meter		**20 db.**
12 Meter		**15 db.**
15 Meter		**20 db.**
17 Meter		**23 db.**
20 Meter		**20 db.**
40 Meter		**12 db.**
Power Rating:	**CW**	**2.5 KW**
	SSB	**5.0 KW**
	RTTY	**600 W**
SWR at resonant frequency:		
		1.0/1 to 1.6
Boom Length:		
	(Std. 2" x .104 + .125 x 24 ft.)	
	(Opt. 3" x .109 + .125 x 24 ft.)	
Turning Radius:		**23 ft. 8 in.**
Recommended Mast Size:		**2 in.**
Maximum Element Length:		**43 ft. 9 in.**
Assembled Weight:		
	2" Boom	**110 lbs.**
	3" Boom	**138 lbs.**
Wind Area (in sq. ft.):		**11.6 ft.²**
Wind Load (EIA std 80 MPH):		**280 lbs.**
Shipping Weight (approx.):		**117 lbs.**
	(3")	**148 lbs.**



PRO-67-B

SWR Curves are for Code Setting II



New! PRO-67-B to PRO-67-C or PRO-67-C-30

This conversion adds a third 40 Meter Reflector Element to your 40 Meter section of the PRO-67-B!

The PRO-67-C-30 also adds a 30 Meter dipole, and increases the front to back on 40, 20, and 10 meters.

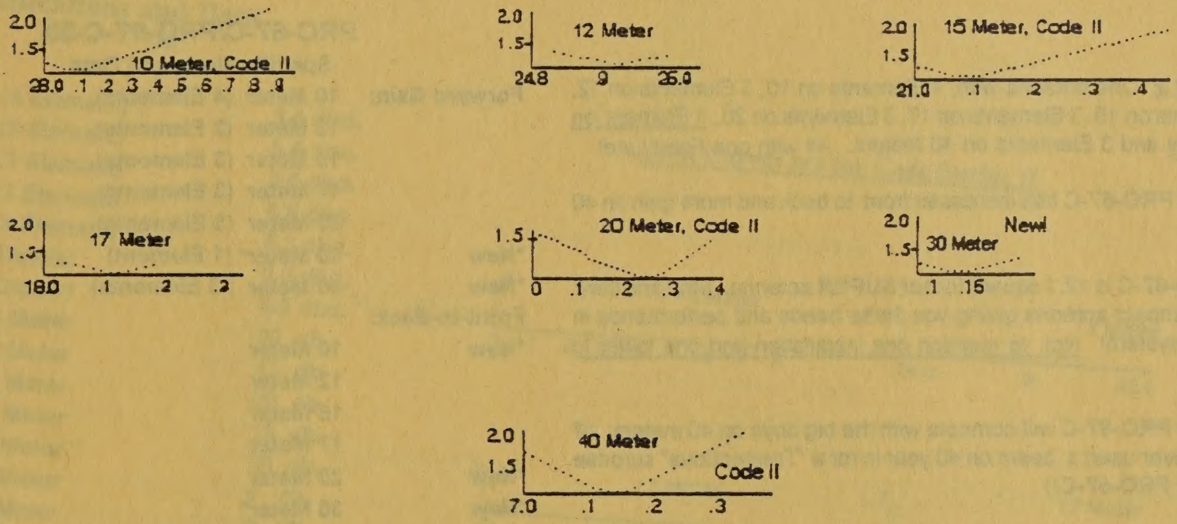
The kit contains all of the necessary parts to complete the conversion. The changes are easy to make.

However, the conversion requires being able to reach and adjust the entire antenna.

Ask for **67B/67C Kit.**

PRO-67-C

SWR Curves are for Code Setting II



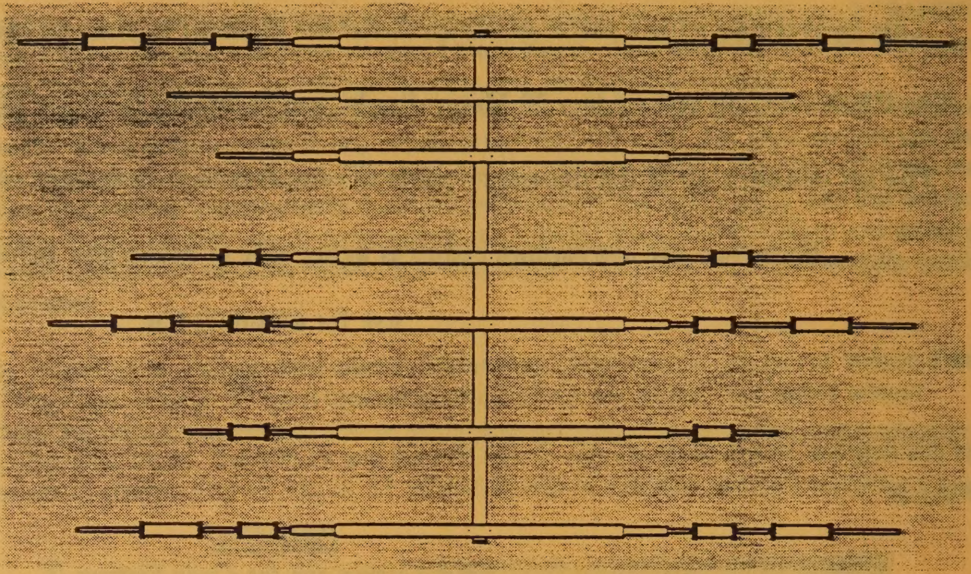
The PRO-67-C is the latest in Mosley's creative designs and will out perform any of our competitors antenna in the same basic size, on all "Seven" Bands with higher quality and performance at a LOWER PRICE!

Check out Page 10!

PRO-67-C
&
PRO-67-C-30

New PRO Gives You 3 Elements on 40, Plus 30 Meters!*

Big 40 Meter Signal in one Small Package!



One of the Biggest Break Through's in the Antenna Industry!

10-12-15-17-20-30* and
3 Elements on "40" Meter
Total of Only 7 Elements

You get 4 **ACTIVE** Elements on 10, 3 on 12, 3 on 15, 3 on 17, 3 on 20, 1 on 30 and 3 on 40!

Some of our competitor's have antennas that they say are for use on the WARC bands, but their antenna doesn't even have a resonating element for those frequencies? We still don't understand that one!

Think of it: One antenna with, 4 Elements on 10, 3 Elements on 12, 3 Elements on 15, 3 Elements on 17, 3 Elements on 20, 1 Element on 30 Meters and 3 Elements on 40 Meters. All with one Feed Line!

The New PRO-67-C has increased front to back and more gain on 40 meters.

The **PRO-67-C** is 12.1 square foot of **SUPER** antenna. Stop and think "One" compact antenna giving you these bands and performance in just one system! Not to mention one installation and one tower to service.

The **New PRO-67-C** will compete with the big boys on 40 meters. (If you've never used a beam on 40 your in for a "Tremendous" surprise using the **PRO-67-C**!)

The **PRO-67-C** is another of Mosley's 1st! It has almost the same gain as the PRO-67-B, however due to the addition of a 3rd forty meter reflector and the way the elements are configured on the **PRO-67-C**, we were able to increase the front to back ratio with very little affect on the higher frequencies gain.

The **PRO-67-C** uses the Mosley "Q" match. A single 50/52 ohm feed line bolts directly to the phasing lines. (No insertion losses! Your PL-259 or N connector costs you .5 to 1 db.)

The PRO-67-C's band width is a little narrower on 40, 20, 15 and 10 meters than the PRO-67-B. Instead of being 1.65 at the edges on 20 meters the "C" will have 1.9.

If you have a tower and a rotor which will handle 12.1 square foot, then you owe it to yourself to experience this tremendous antenna.

PRO-67-C/PRO-67-C-30

Specifications and Data

Forward Gain:	**10 Meter (4 Elements)**		**9.3 dbd.**
	12 Meter (3 Elements)		**8.3 dbd.**
	15 Meter (3 Elements)		**8.3 dbd.**
	17 Meter (3 Elements)		**8.3 dbd.**
	20 Meter (3 Elements)		**8.2 dbd.**
***New**	**30 Meter* (1 Element)**		**0.0 dbd**
***New**	**40 Meter (3 Elements)**		**6.8 dbd.**
Front-to-Back:			
***New**	**10 Meter**		**24 db.**
	12 Meter		**15 db.**
	15 Meter		**24 db.**
	17 Meter		**25 db.**
***New**	**20 Meter**		**24 db.**
***New**	**30 Meter***		**00 db.**
***New**	**40 Meter**		**24 db.**
Power Rating:	**CW**		**2.5 KW**
	SSB		**5.0 KW**
	RTTY		**600 W**
SWR at resonant frequency:		**1.0/1 to 1.6**	
Boom Length:	**(Standard 3" x .223 x 24 ft.)**		
***(Note 2" boom opt.)**	**(Optional 2" x .223 x 24 ft.)**		
Turning Radius:			**23 ft. 8 in.**
Recommended Mast Size:			**2 in.**
Maximum Element Length:			**43 ft. 9 in.**
Assembled Weight:		**2" Boom**	**118 lbs.**
		3" Boom	**143 lbs.**
Wind Surface Area (3" w/30M, in sq. ft.):			121 ft^2
Wind Load (EIA standard 80 M.P.H.):			**330 lbs.**
Shipping Weight (approx.):			**122 lbs.**
			153 lbs.
Warranty:			**2 Years**

---

*Now Optional

Mosley PRO-77-A

10-12-15-17-20-30-40, 7 Element

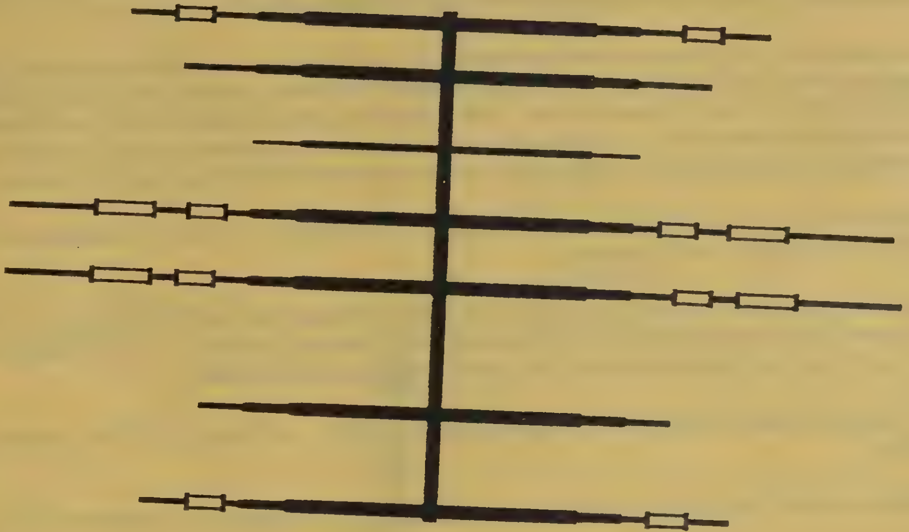
"Seven Bands in One Beam"

The "PRO-77-A" is an antenna designed to give you the widest band coverage of any "Ham" frequency antenna.

It covers "7" bands with only "7" elements. The PRO-77-A gives you 4 elements on 10 meters, 3 elements on 10, 15, and 20, 2 elements on 12, 17 , a rotatable dipole on 30 and 40 meters. All in one antenna with one feed line.

This antenna is excellent as a "Primary Station" antenna for "DXing", or just rag chewing.

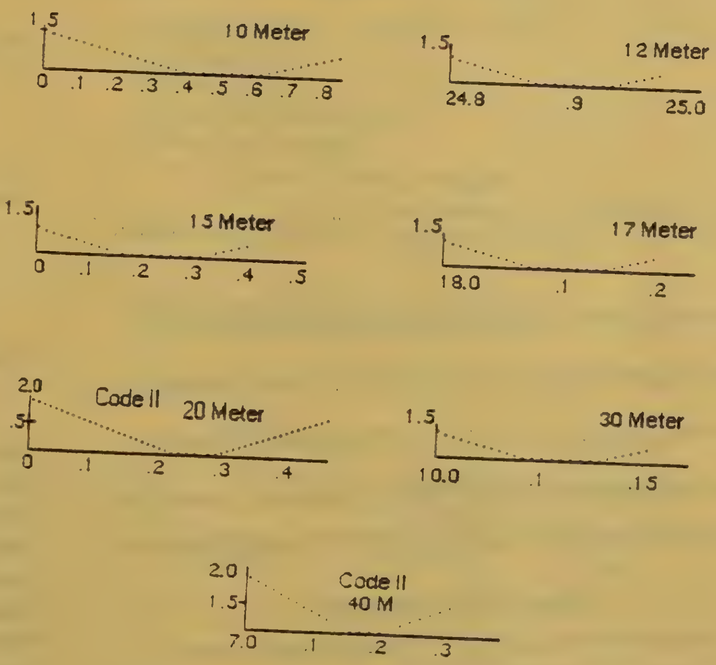
For those that already have a main antenna system the PRO-77-A is an excellent scouting/back up antenna.



Specifications and Data PRO-77-A

Forward Gain:		
	10 Meter (4 Element)	9.4 dbd.
	12 Meter (3 Element)	6.6 dbd.
	15 Meter (3 Element)	8.5 dbd.
	17 Meter (3 Element)	6.8 dbd.
	20 Meter (3 Element)	8.3 dbd.
	30 Meter (Dipole)	0.0 dbd.
	40 Meter (Dipole)	0.0 dbd.
ront-to-Back:	10 Meter	20 db.
	12 Meter	13 db.
	15 Meter	20 db.
	17 Meter	18 db.
	20 Meter	20 db.
	30 Meter	0 db.
	40 Meter	0 db.
wer Rating:	CW	2.0 KW
	SSB	4.0 KW
	RTTY	600 W
at resonant frequency:		1.0/1 to 1.9
m Length:		24 ft.
ning Radius:		23 ft. 8 in.
ommended Mast Size:		2 in.
ximum Element Length:		43 ft. 9 in.
embled Weight:		106 lbs.
nd Surface Area (in sq. ft.):		11.6 ft.^{2}
nd Load (EIA standard 80 M.P.H.):		280 lbs.
ipping Weight (approx.):		125 lbs.
arranty:		2 Years

SWR Curves are for Code Setting II



Mosley PRO-95

10-12-15-17-20 Meter, 9 Element Beam

"PRO-95" Big...Big...GUN for 10, 12, 15, 17 & 20

The Mosley "PRO-95" is the "BEST" 5 band antenna designed for Amateur radio anywhere.

The PRO-95 uses all heavy duty drawn tubing and the best made stainless steel hardware. All tubing and hardware parts are specially made to make the PRO-95 an antenna that will last and perform for years.

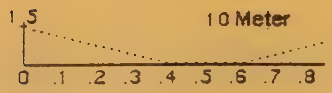
Concerning our mast plate and other hardware parts, our competitors don't know what heavy duty means. We have seen some companies brag about their 1/4" mast plate. Our TA-33-JR uses a 1/4" plate. The PRO-95 uses a 3/8" 6061-T6 x 24" wide, 12" high for a mast plate. THAT's "HEAVY DUTY" in amateur use! (This plate is considered medium duty in our military and commercial use.)
The antenna comes with its own independent strut support and Stainless Steel 3/16" aircraft control cable. This makes getting the antenna prepared for placement on the tower much easier, while not placing extra stress on the mast.

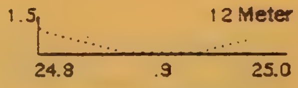
The PRO-95 gives you "6" elements on 10 meters, 4 elements on 12 meters, 4 elements on 15 meters, 4 elements on 17 meters, and 4 wide spaced elements on 20 meters.

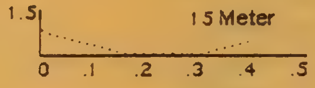
If you're tired of maintaining several towers, rotors and antennas then the PRO-95 is for you. Now you can replace all these other systems and have "ONE" tower system which will give you Mono band performance. The PRO-95 has been "Hurricane" tested by Andrew and Hugo, and as with all the Mosley antennas, they came through with flying colors.

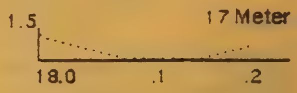
For extremely harsh environments you can obtain a "3" boom version of the PRO-95, but this is rarely needed. (Wind conditions at 150 M.P.H.).

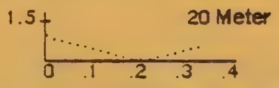
Whether you're just starting to get into large antennas or you're wanting to consolidate your present system, the PRO-95 is for you!

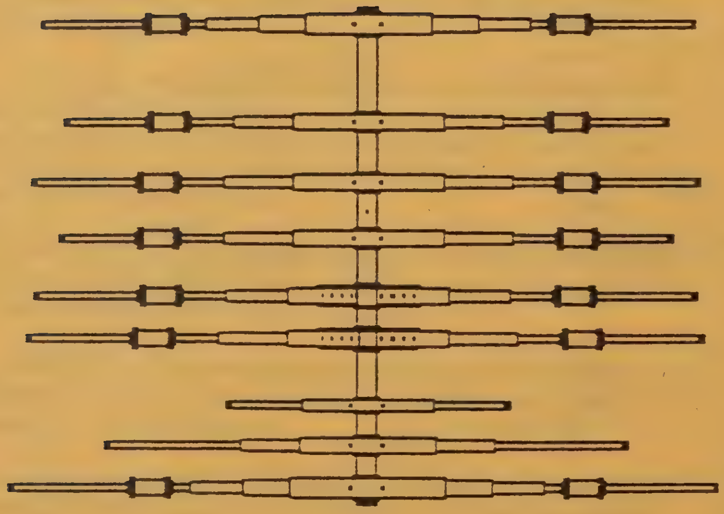












Specifications and Data PRO-95

Forward Gain:	10 Meter	10.5 dbd.
	12 Meter	8.9 dbd.
	15 Meter	9.1 dbd.
	17 Meter	9.1 dbd.
	20 Meter	9.5 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	19 db.
	15 Meter	20 db.
	17 Meter	19 db.
	20 Meter	20 db.
Power Rating:		
	CW	2.5 KW
	SSB	5.0 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		36 ft.
Turning Radius:		22 ft. 8 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		27 ft. 6 in.
Assembled Weight:		145 lbs.
Wind Surface Area (in sq. ft.):		18 ft^2
Wind Load (EIA standard 80 M.P.H.):		450 lbs.
Shipping Weight (approx.):		155 lbs.
Warranty:		2 Years

Mosley PRO-96

"THE MAX"

The Top of the PRO-Series

Specifications and Data

PRO-96

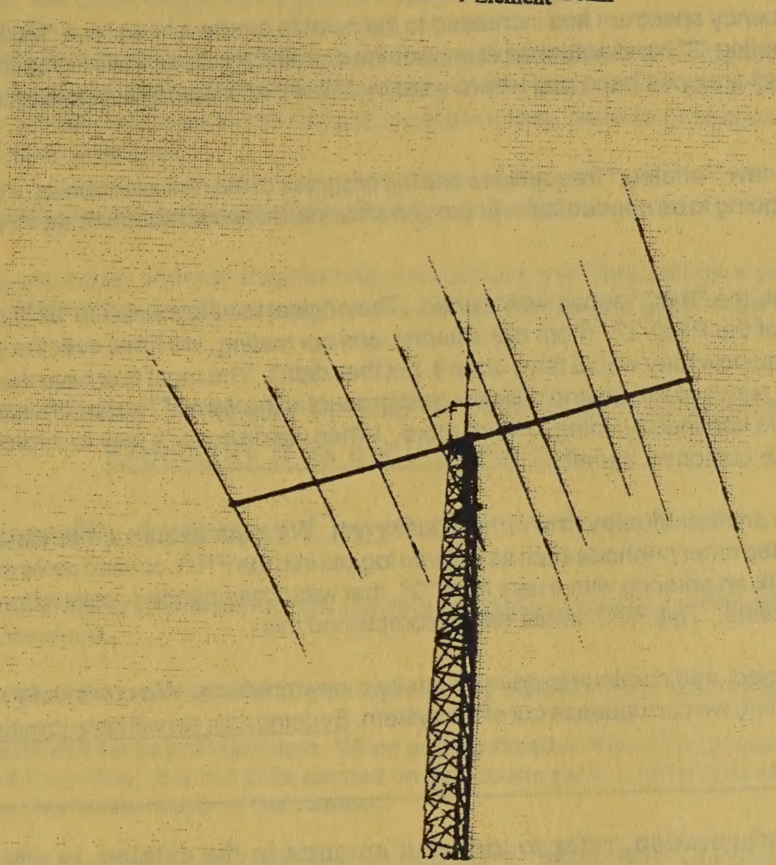
Forward Gain:	
10 Meter, 6 elements	10.5 dbd.
12 Meter, 4 elements	8.9 dbd.
15 Meter, 4 elements	9.1 dbd.
17 Meter, 4 elements	9.1 dbd.
20 Meter, 4 elements	9.5 dbd.
40 Meter, 3 elements	7.8 dbd.
Front-to-Back:	
10 Meter	20 db.
12 Meter	19 db.
15 Meter	20 db.
17 Meter	19 db.
20 Meter	20 db.
40 Meter	18 db.
Power Rating:	
RTTY/Amtor	600 W
CW	2.5 KW
SSB	5.0 KW
WR at resonant:	
10 thru 20	1.0/1 to 1.6
40 Meters	1.0/1 to 2.0
oom Length:	36 ft.
urning Radius:	25 ft.
ecommended Mast Size:	2-3 in. Hvy
aximum Element Length:	43 ft. 9 in.
sembled Weight:	
PRO-96-2:	165 lbs.
PRO-96-3:	185 lbs.
d Area (in sq. ft.):	22 ft.²
d Load (EIA 80 mph):	509 lbs.
ping Weight (approx.):	
	2"-180 lbs.
	3"-200 lbs.
ranty:	2 Years

PRO-96-2 (On a 2" Heavy Boom)

10-12-15-17-20-40 Meter, 9 Element Beam

PRO-96-3 (On a 3" Extra Heavy Boom)

10-12-15-17-20-40 Meter, 9 Element Beam



The *PRO-96* is everything a "HAM" could ask for in a beam.

- Stainless Steel
- No Measuring
- Color Coded
- All aircraft drawn tubing
- 2 Year Full Warranty
- Over 50 Years of Quality Products

want to have 6 Mono Banders all in "ONE" then look no The PRO-96 gives you wide spaced elements for 10 gh 20 and a close spaced 40 meter 3 element all with a feed line.

RO-96-2 is designed for "crank-ups" or "tilt over" towers.

O-96-3 is recommended for fixed, high installations.

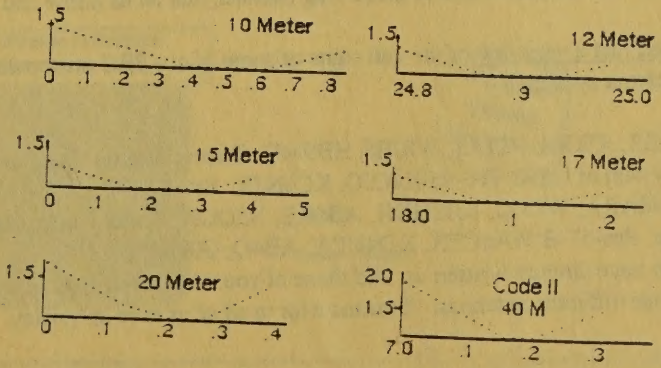
O-96-2 is capable of 80 M.P.H. winds with no ice load and H. with a 1/4" of radial ice.

O-96-3 is capable of 100 M.P.H. with no ice load and 80 vith a 1/4" of radial ice.

ance is the same for either model.

nt the very best, then choose Mosley and the PRO-96!

SWR Curves are for Code Setting II



CONVERSIONS and up dates FOR THE PRO...SERIES

Mosley was the "first" antenna company to create a reliable, durable, efficient "Tri-Band" antenna for the world's Ham community. The TA-33 has set the standard for all Tri Band antennas around the world!

Over the years the frequency spectrum has increased to the point to create a need for a "Multi-Multi" band beam. As early as 1948 Mosley started creating "5" band antennas to answer the demand for these Multi Frequency request. However they were designed to cover a small area of a band and where used by Military and Commercial stations, which were limited to specific frequencies.

With the approval of the new "Amateur" frequencies and the progress of the new electronics, it became apparent to Mosley that a broad band beam was going to be needed in the future. An antenna that would concentrate it's performance in several selected frequencies.

Out of Mosley's research, the "PRO" series was started. The original testing started in 1979, and it wasn't until 1983 that we had a production model of the PRO-37. From this antenna, and our testing, we have over the years, improved on that original design. Others will tell you how they would have done it, but they didn't. You must first have the idea before it can be improved upon. All of us at Mosley, strive to create and build the best product in the world. These conversions, especially the up grades, have evolved because we continue pushing to learn more. When we discover a way to improve a product, it is implemented into that product. You the customer benefits.

The design of the PRO, is another **Mosley first** in the industry first. We manufacture a wide range of antenna types, and styles. We could have incorporated other methods such as a driven log cell into the PRO, or used more mono band elements. However, our objective was to create an antenna with a very high "Q", that was broad banded, covereda variety of frequencies and use the least number of elements. The PRO series has accomplished this!

We will stay on the high road, and continue to develop our own new products. We continually review our product lines to see if there's one more something we can squeeze out of the system. By doing this, we will keep creating the best, all around antenna products you can buy!

For performance information, refer to model of antenna in the catalog, to which you are converting!

PRO-57-B to PRO-57-B-40

Adds 40 Meter Dipole to existing "5" bands.

PRO-95 to PRO-95-40

Adds 40 meter Dipole to existing "5" bands.

PRO-57-B to PRO-67-B

Adds 2 Element 40 Meter Beam "1" band, 40 Meters to the existing 5 bands.

PRO-67-B to PRO-67-C

Adds a 3rd Element to 40 Meters. Gives improved performance on 10, 12, 15, 17, and 20 Meters.

"Notes from our Customers"

We have received hundreds of "Brag Letters", from our great customers. These letters praise the quality and performance, and long life of our products. To list all of these letters would take an additional 1,000 pages of catalog, however, we do have a brag letter packet. If you would like to receive one of these brag packets, just let us know and we'll get them out to you.

Below we have listed just a very few of the call signs of some of our PRO customers in various different areas. Feel free to contact them about their antenna system.

Pro-96 K9FN, K1ER, K9GM, V21AS, W8JEF, HB9MG, Dennis Bodson Chief of Technology and Standards Division, National Communications System of USA. Pro-95 K4CJO, KC6NJX. Pro-67-B/Pro-67-C J52US, WC0W, W1QLC/4, KB3YS, WK9Z, KQ4RS, KM6EV, N8ARA, WG0G, KB2HDK, AB6KE, N5OON, Scotty Neustadter, TI2MEN, KM4P, W9FW, TU4EI, TU5EV U.S. Department of State. Pro-57-B WA6CTX, KD4UDY, AB4Q, G0HMY, KS1S.

Thanks to those who have already written us, and those of you who haven't, let us hear from you. Also thanks to those who have written us on all of our different antennas. It means a lot to all of us here at Mosley. Thanks again!

73, Gary K0VUW

Mosley Parts Department

Mosley has a large inventory of replacement parts for our customers of Mosley antennas dating back 50 years. Mosley also offers a large verity of assorted stainless steel hardware, tubing, boom material, U bolts, bar stock, plastic caps, manuals and other antenna parts for sale to the amateur community. If you are home brewing or reconditioning your old Mosley, our parts department will be happy to help you.

You can order replacement parts through our order lines, however, you must have the correct part numbers. The staff on the order lines can only enter a part number into the system. The main job of the order line people is to take orders, they can only give limited help due to the volume of orders they have to process and their limited knowledge of the parts and various antennas.

We have over 1,856 different parts ranging between 4,500 different antennas.

If you aren't sure of what parts you need, call our engineering department and they will give you the correct part numbers so you can order. By doing this, it will ensure that you obtain the correct part when you order.

Two Great Mosley Products to Add to your Antenna System
Especially if its not a Mosley!

Mosley Weather Guard, Antenna Coat**

Weather Guard is a clear paint which protects your antenna from salt air, air pollution, acid rain and the effects of ultra violet light on your antenna or any exposed aluminum.

Weather Guard has been is use around the world for over 40 years, protecting aluminum and other metals.

Weather Guard is painted on the exposed surface of aluminum. When putting Weather Guard on an antenna, it must be painted on just on the exposed surfaces of the tubing. It is not to be painted on any plastic parts or where the elements sleeve, since it will act as an insulator, disrupting the electric length of the element.

When put on an antenna, 50 miles in from salt water, it will keep the antenna in "Brand New" condition for 8 years. In costal environments it will keep the antenna in new condition for 2 to 3 years depending how near the antenna is to direct salt spray.

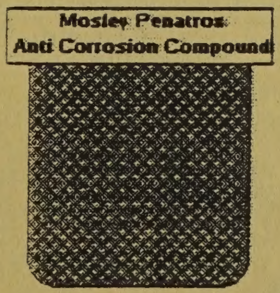
Due to the ingredients in Weather Guard, it is far superior to other paints. Other paints haven't been designed to do the job Mosley Weather Guard does. Can sprays will start loosing their ability to protect the antenna in six months.

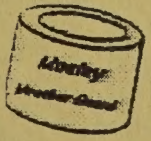
Weather Guard is also electrically safe for use on resonant systems. In fact it keeps the electrical properties of the antenna intact!

*Mosley Penatrox**

Mosley Penatrox was created to work with our precision drawn tubing. The penatrox is furnished with all Mosley antennas. Its purpose is to maintain a good joint between sections of telescoping tubing, without causing electrolysis at the joint. The Penatrox is also a anti seize compound, which keeps the element section from locking up and binding together.

Competitors have tried to even emulate Mosley's Penatrox, however, in trying to copy us, some of them have used a compound which will CAUSE electrolysis instead of stopping it.





* Mosley Trademark

From:

Mosley Electronics, Inc.
10812 Ambassador Boulevard
St. Louis, Missouri 63132
USA

To:

Amateur Radio Station

To ORDER call: **800-325-4016** or **800-9-MOSLEY** or **800-966-7539**.
For Technical information, call **314-994-7872**. To FAX an order or for Technical support, use **314-994-7873**.

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